



&lt; Level 1 &gt;

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## 724. Find Pivot Index

Hint



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Easy

6.6K

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Companies

Given an array of integers `nums`, calculate the **pivot index** of this array.



The **pivot index** is the index where the sum of all the numbers **strictly** to the left of the index is equal to the sum of all the numbers **strictly** to the index's right.

If the index is on the left edge of the array, then the left sum is `0` because there are no elements to the left. This also applies to the right edge of the array.

Return *the leftmost pivot index*. If no such index exists, return `-1`.

## Example 1:

Input: `nums = [1,7,3,6,5,6]`Output: `3`

Explanation:

The pivot index is 3.

Left sum = `nums[0] + nums[1] + nums[2] = 1 + 7 + 3 = 11`Right sum = `nums[4] + nums[5] = 5 + 6 = 11`

## Example 2:

Input: `nums = [1,2,3]`Output: `-1`

Explanation:

There is no index that satisfies the conditions in the problem statement.

## Example 3:

Input: `nums = [2,1,-1]`Output: `0`

Explanation:

The pivot index is 0.

Left sum = `0` (no elements to the left of index 0)Right sum = `nums[1] + nums[2] = 1 + -1 = 0`

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